

In the Claims:

1. A method for automatically generating program code, comprising:
 - creating a class file container object;
 - adding a method to the class file object;
 - adding code to the method;
 - generating Java byte code for the class file container object; and
 - generate an instance of the new class file object.
2. The method of claim 1 wherein creating a class file container object includes:
 - setting attributes for a class file.
3. The method of claim 2 the attributes include at least one of class file name, parent super.
4. The method of claim 1 wherein adding a method to the class file object includes:
 - adding a plurality of methods to the class file object.
5. The method of claim 1 wherein adding code to the method includes
 - adding code to the method using constructs that correspond to programming language statements, expressions, and variables.
6. The method of claim 5 wherein the constructs include parameters.

7. The method of claim 5 wherein each statement, expression type, variable is represented as an object.

8. The method of claim 1 wherein generating Java byte code for the class file container object includes:

generating an intermediate representation of program flow.

9. The method of claim 8 wherein generating Java byte code for the class file container object includes:

converting the intermediate representation into byte code.

10. The method of claim 1 wherein the program code implements an adaptor class.

11. The method of claim 1 wherein the program code implements a proxy class.